



## AURORA DATA COLLECTION



### ***POES satellite:***

Image #11 shows the current position and extent of the auroral oval in the Northern Hemisphere. The red arrow points toward noon. The colors indicate intensity. Red and orange indicate intense auroral activity and blue is low auroral activity. This image provides an estimate of the location, extent, and intensity of aurora. If the red-orange extends down into the northern most states of the United States, you can expect to see auroras in these states. If there is a severe magnetic storm, you could expect to see the red-orange extend into the middle of the United States, and you might see aurora into Texas and Florida.

Use the information from this image to answer this question. Be sure to cite specific data!

Where might one see auroras in the United States in the coming week?

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Have auroras been seen within the last 24 hours due to a solar storm?

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